

REMARKS

This Amendment and Response to Final Office Action is being submitted in response to the final Office Action mailed December 2, 2005. Claims 1, 3-18, and 20-27 are pending in the Application. Claims 1, 3-18, and 20-27 stand rejected.

Specifically, Claims 1, 3-18, and 20-27 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Rangachar et al. (U.S. Pat. No. 6,301,252) in view of Kekic et al. (U.S. Pat. No. 6,664,978) and further in view of Barrett et al. (U.S. Pat. No. 6,782,420) and further in view of Chen et al. (U.S. Pat. No. 6,625,590).

In response to this rejection, independent Claims 1, 11, 12, and 18 have been amended to further clarify the subject matter which Applicants regard as the invention, without prejudice or disclaimer to continued examination on the merits. These amendments are fully supported in the Specification, Drawings, and Claims of the Application and no new matter has been added. Based upon the amendments, reconsideration of the Application is respectfully requested in view of the following remarks.

Rejection of Claims 1, 3-18, and 20-27 Under 35 U.S.C. 103(a): Rangachar et al., Kekic et al., Barrett et al., and Chen et al.

Claims 1, 3-18, and 20-27 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Rangachar et al. (U.S. Pat. No. 6,301,252) in view of Kekic et al. (U.S. Pat. No. 6,664,978) and further in view of Barrett et al. (U.S. Pat. No. 6,782,420) and further in view of Chen et al. (U.S. Pat. No. 6,625,590).

Examiner states that it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Rangachar et al. to enable the capability to process commands via a local user interface as taught by Kekic et al., and to enable usage of an interactive web interface for command input as taught by Barrett et al., and to utilize a command line interface for command input by the network management system as taught by Chen et al.

Claim 1 has been amended to recite:

1. A method of managing a telecommunications network device, comprising:

executing a command proxy on each of one or more network cards that comprise a processor located within the telecommunications network device;

registering at least one command executable by an application with one of a plurality of distributed command proxies associated with a common command interface and a central command daemon, said command proxy being local to the application;

executing a web server and a telnet server on the network card that comprises the central command daemon;

registering the command through the command proxy local to the application with the central command daemon associated with said common command interface;

providing a user interface comprising a command line interface and a web interface;

receiving the command at the common command interface from either of said command line interface and said web interface;

forwarding the command to the application; and
completing execution of the command;

wherein said common command interface receives commands in a plurality of formats; and

wherein the common command interface allows the network device application to maintain one set of code for each command regardless of which command interface initiated the command.

Similar amendments have been made to Claims 11, 12, and 18. These amendments are fully supported in the Specification, Drawings, and Claims of the Application and no new matter has been added.

Rangachar et al. teach a method of managing a communications network wherein commands given to one switch in the network are diverted to the network manager. The network manager processes the commands to identify generic commands to transmit to other switches in the network. The generic commands are interpreted at each of the one or more switches to produce a respective instruction to direct operation of each of the one or more switches. As noted by Examiner, "Rangachar does not specifically disclose the storage of a command within a command interface."

Additionally, Rangachar et al. do not teach or suggest the limitations 1) executing *a command proxy on each of one or more network cards that comprise a processor* located within the telecommunications network device; 2) executing *a web server and a telnet server on the network card that comprises the central command daemon*; and 3) a common command interface *wherein the network device application maintains one set of code for each command regardless of which command interface initiated the command*. Nor are these deficiencies remedied by Kekic et al., Barrett et al., or Chen et al.

Although Examiner states that Kekic et al. teach a command proxy local to an application in a distributed environment, Kekic et al. do not teach or suggest *a command proxy on each of one or more network cards that comprise a processor* located within each telecommunications network device.

Although Examiner states that the steps 1) receiving the command at the common command interface from either of said command line interface and said web interface, and 2) wherein said common command interface receives commands in a plurality of formats are taught by Chen et al. and Barrett et al., neither Chen et al. nor Barrett et al. teach executing *a web server and a telnet server on the network card that comprises the central command daemon* or a common command interface *wherein the network device application maintains one set of code for each command regardless of which command interface initiated the command.*

Therefore, Applicants submit that the rejection of Claims 1, 3-18, and 20-27 under 35 U.S.C. 103(a) as being unpatentable over Rangachar et al. in view of Kekic et al. and further in view of Barrett et al. and further in view of Chen et al. has now been overcome and respectfully request that this rejection be withdrawn.

CONCLUSION

Applicants would like to thank Examiner for the attention and consideration accorded the present Application. Should Examiner determine that any further action is necessary to place the Application in condition for allowance, Examiner is encouraged to contact undersigned Counsel at the telephone number, facsimile number, address, or email address provided below. It is not believed that any fees for additional claims, extensions of time, or the like are required. However, if such additional fees are required, Examiner is encouraged to notify undersigned Counsel at Examiner's earliest convenience.

Respectfully submitted,

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